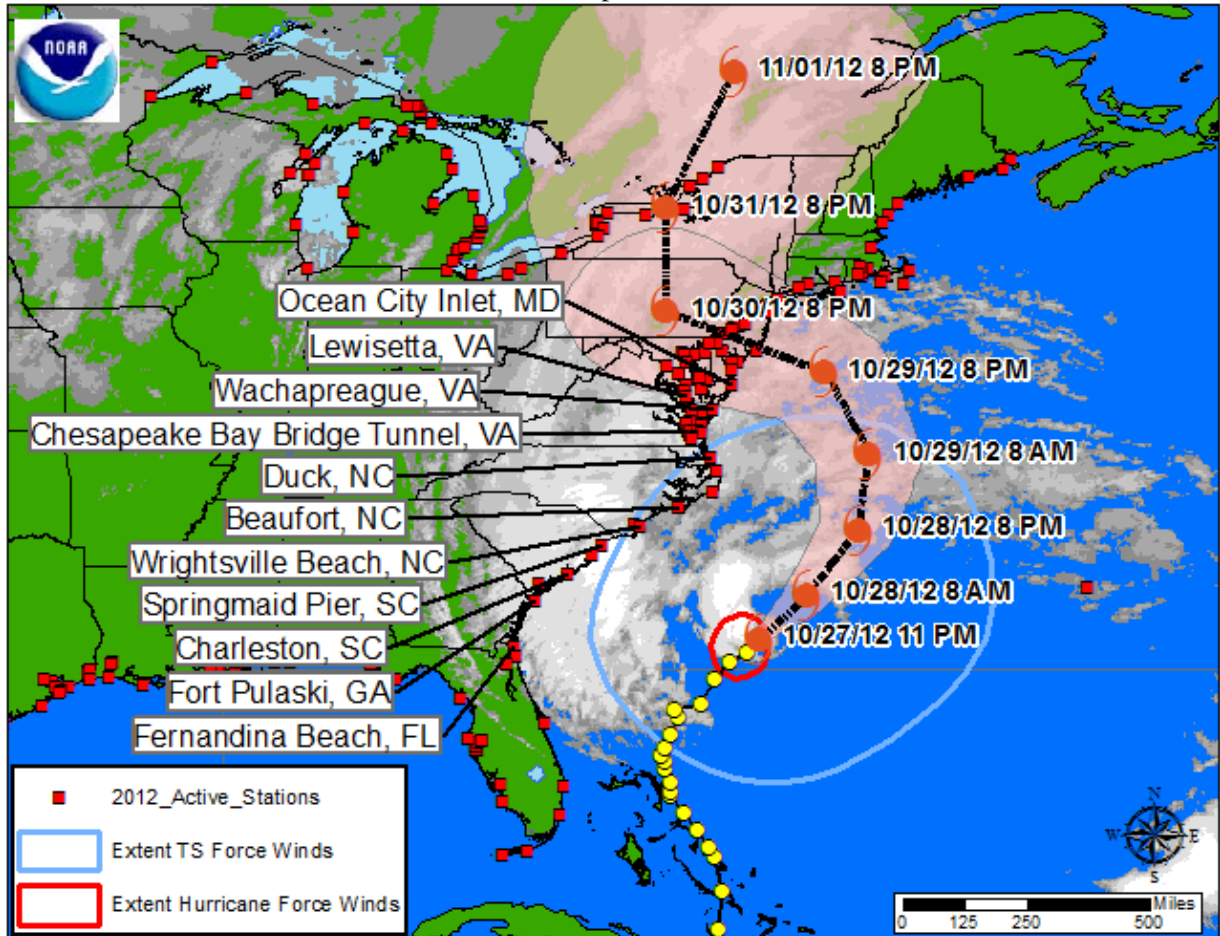




Hurricane SANDY QuickLook  
Posted: 00:00 EDT 10/28/2012



#### NOAA and NOAA Partnership Stations Relative to the Storm



#### Storm Analysis

As of 10/28/2012 00:00 EDT, water levels from northeast Florida to Maryland are elevated. Water level residuals from Florida to South Carolina are oscillating with the tide and at present are 2.4 to 3.9 feet above tidal predictions. Water levels from North Carolina to Maryland, including southern Chesapeake Bay are rising and range from 1.3 to 2.6 feet above tidal predictions.

Winds from Florida to South Carolina range from 10 to 20 knots with some gusts up to 25 knots. Wind speeds from North Carolina to the Chesapeake Bay Bridge Tunnel, VA are rising and range from 20 to 35 knots with some gusts to 45 knots. Barometric pressure continues to fall from South Carolina to Maryland.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Hurricane SANDY QuickLook, POSTED 00:00 EDT 10/28/2012

Fort Pulaski, GA: Next predicted high tides are 8.0 ft (2.45 m) at 10/28/2012 07:35 EDT and 7.4 ft (2.27 m) at 10/28/2012 20:00 EDT.

Charleston, SC: Next predicted high tides are 6.2 ft (1.90 m) at 10/28/2012 07:29 EDT and 5.7 ft (1.74 m) at 10/28/2012 19:51 EDT.

Springmaid Pier, SC: Next predicted high tides are 5.9 ft (1.80 m) at 10/28/2012 07:03 EDT and 5.4 ft (1.68 m) at 10/28/2012 19:22 EDT.

Wrightsville Beach, NC: Next predicted high tides are 4.8 ft (1.47 m) at 10/28/2012 06:53 EDT and 4.2 ft (1.29 m) at 10/28/2012 19:11 EDT.

Beaufort, NC: Next predicted high tides are 3.8 ft (1.16 m) at 10/28/2012 07:29 EDT and 3.3 ft (1.02 m) at 10/28/2012 19:41 EDT.

Duck, NC: Next predicted high tides are 4.0 ft (1.22 m) at 10/28/2012 07:05 EDT and 3.3 ft (1.03 m) at 10/28/2012 19:20 EDT.

Chesapeake Bay Bridge Tunnel, VA: Next predicted high tides are 3.2 ft (0.97 m) at 10/28/2012 08:02 EDT and 2.7 ft (0.82 m) at 10/28/2012 20:16 EDT.

Lewisetta, VA: Next predicted high tides are 1.5 ft (0.45 m) at 10/28/2012 01:02 EDT and 1.6 ft (0.50 m) at 10/28/2012 13:23 EDT.

Ocean City Inlet, MD: Next predicted high tides are 2.5 ft (0.77 m) at 10/28/2012 07:41 EDT and 2.2 ft (0.67 m) at 10/28/2012 19:50 EDT.

Fernandina Beach, FL: Next predicted high tides are 7.2 ft (2.20 m) at 10/28/2012 08:26 EDT and 6.5 ft (2.02 m) at 10/28/2012 20:46 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:CMF

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE SANDY ADVISORY NUMBER 23  
1100 PM EDT SAT OCT 27 2012

...SANDY CONTINUING NORTHEASTWARD PARALLEL TO THE COAST OF THE  
SOUTHEASTERN UNITED STATES...  
...STRONG WINDS AND SIGNIFICANT STORM SURGE ARE EXPECTED IN THE MID-ATLANTIC  
STATES AND SOUTHERN NEW ENGLAND...

WATCHES AND WARNINGS

-----  
CHANGES WITH THIS ADVISORY...

THE TROPICAL STORM WATCH HAS BEEN DISCONTINUED FOR THE SOUTH CAROLINA COAST.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

- \* SOUTH SANTEE RIVER SOUTH CAROLINA TO DUCK NORTH CAROLINA
- \* PAMLICO AND ALBEMARLE SOUNDS

IN ADDITION...HIGH WIND WARNINGS ARE IN EFFECT FOR PORTIONS OF SOUTHEASTERN VIRGINIA. HIGH WIND WATCHES AND WARNINGS...ALONG WITH OTHER WATCHES AND WARNINGS ARE IN EFFECT FOR MUCH OF THE MID-ATLANTIC STATES AND SOUTHERN NEW ENGLAND. SEE STATEMENTS FROM LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICES.

INTERESTS THROUGHOUT THE MID-ATLANTIC STATES AND NEW ENGLAND SHOULD MONITOR THE PROGRESS OF SANDY.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

#### DISCUSSION AND 48-HOUR OUTLOOK

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AT 1100 PM EDT THE CENTER OF HURRICANE SANDY WAS LOCATED ABOUT 360 MI ESE OF CHARLESTON SOUTH CAROLINA OR ABOUT 305 MI SSE OF CAPE HATTERAS NORTH CAROLINA. SANDY IS MOVING TOWARD THE NORTHEAST NEAR 14 MPH...22 KM/H...AND THIS GENERAL MOTION IS FORECAST TO CONTINUE THROUGH SUNDAY. A TURN TOWARD THE NORTH IS FORECAST ON SUNDAY NIGHT...FOLLOWED BY A TURN TOWARD THE NORTH-NORTHWEST ON MONDAY. ON THE FORECAST TRACK THE CENTER OF SANDY WILL MOVE PARALLEL TO THE SOUTHEAST COAST OF THE UNITED STATES THROUGH THE WEEKEND...AND APPROACH THE COAST OF THE MID-ATLANTIC STATES MONDAY NIGHT.

MAXIMUM SUSTAINED WINDS ARE NEAR 75 MPH WITH HIGHER GUSTS. WHILE LITTLE CHANGE IN STRENGTH IS FORECAST DURING THE NEXT COUPLE OF DAYS...SANDY IS EXPECTED TO REMAIN A LARGE AND POWERFUL CYCLONE.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 105 MILES FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 520 MILES. NOAA BUOY 41036...LOCATED IN ONSLOW BAY NEAR THE NORTH CAROLINA COAST...RECENTLY REPORTED SUSTAINED WINDS OF 45 MPH AND A WIND GUST OF 60 MPH.

THE MINIMUM CENTRAL PRESSURE BASED ON NOAA AND AIR FORCE RESERVE HURRICANE HUNTER AIRCRAFT REPORTS IS 960 MB.

#### HAZARDS AFFECTING LAND

-----  
WIND...TROPICAL STORM CONDITIONS ARE SPREADING ACROSS THE COAST OF NORTH CAROLINA IN THE TROPICAL STORM WARNING AREA...AND THESE SHOULD CONTINUE THROUGH SUNDAY. GALE FORCE WINDS ARE EXPECTED TO ARRIVE ALONG PORTIONS OF

THE MID-ATLANTIC COAST BY SUNDAY AND REACH LONG ISLAND AND SOUTHERN NEW ENGLAND BY MONDAY MORNING. WINDS TO NEAR HURRICANE FORCE COULD REACH THE MID-ATLANTIC STATES...INCLUDING LONG ISLAND...BY LATE MONDAY.

STORM SURGE...THE COMBINATION OF A DANGEROUS STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING DEPTHS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

NC SOUTH OF SURF CITY...1 TO 3 FT

NC NORTH OF SURF CITY INCLUDING PAMLICO/ALBERMARLE SNDS...3 TO 5 FT

SE VA AND DELMARVA INCLUDING LOWER CHESAPEAKE BAY...2 TO 4 FT

UPPER AND MIDDLE CHESAPEAKE BAY...1 TO 2 FT

OCEAN CITY MD TO THE CT/RI BORDER...4 TO 8 FT

LONG ISLAND SOUND...RARITAN BAY...AND DELAWARE BAY...4 TO 8 FT

SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. GIVEN THE LARGE WIND FIELD ASSOCIATED WITH SANDY...ELEVATED WATER LEVELS COULD SPAN MULTIPLE TIDE CYCLES RESULTING IN REPEATED AND EXTENDED PERIODS OF COASTAL AND BAYSIDE FLOODING. IN ADDITION...ELEVATED WATERS COULD OCCUR FAR REMOVED FROM THE CENTER OF SANDY. FURTHERMORE...THESE CONDITIONS WILL OCCUR REGARDLESS OF WHETHER SANDY IS A TROPICAL OR POST-TROPICAL CYCLONE. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE OFFICE.

RAINFALL...RAINFALL TOTALS OF 3 TO 6 INCHES ARE EXPECTED OVER FAR EASTERN NORTH CAROLINA...WITH ISOLATED MAXIMUM TOTALS OF 8 INCHES POSSIBLE. RAINFALL AMOUNTS OF 4 TO 8 INCHES ARE EXPECTED OVER PORTIONS OF THE MID-ATLANTIC STATES...INCLUDING THE DELMARVA PENINSULA...WITH ISOLATED MAXIMUM AMOUNTS OF 12 INCHES POSSIBLE. RAINFALL AMOUNTS OF 1 TO 3 INCHES WITH ISOLATED MAXIMUM AMOUNTS OF 5 INCHES ARE POSSIBLE ACROSS PARTS OF SOUTHERN NEW YORK INTO NEW ENGLAND.

SURF...DANGEROUS SURF CONDITIONS WILL CONTINUE FROM FLORIDA THROUGH THE MID-ATLANTIC FOR THE NEXT COUPLE OF DAYS AND SPREAD INTO THE NORTHEASTERN STATES ON SUNDAY.

FORECASTER BEVEN

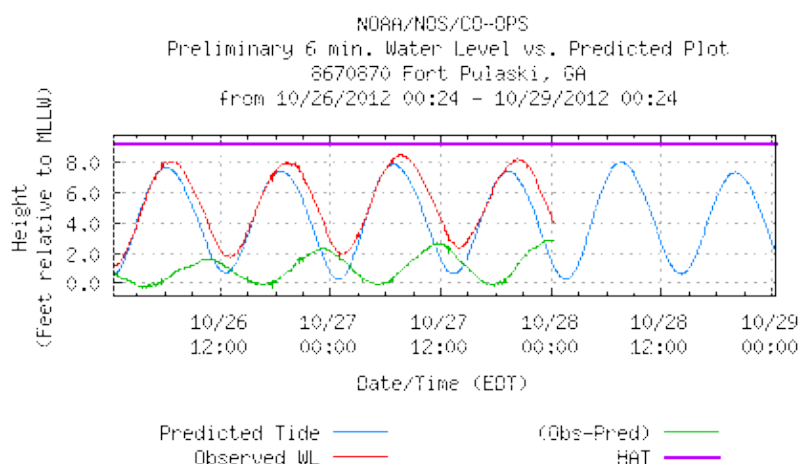
For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Fort Pulaski - Water Level](#), [Fort Pulaski - Winds](#), [Fort Pulaski - Barometric](#), [Charleston - Water Level](#), [Charleston - Winds](#), [Charleston - Barometric](#), [Springmaid Pier - Water Level](#), [Springmaid Pier - Winds](#), [Springmaid Pier - Barometric](#), [Wrightsville Beach - Water Level](#), [Wrightsville Beach - Winds](#), [Wrightsville Beach - Barometric](#), [Beaufort - Water Level](#), [Beaufort - Winds](#), [Beaufort - Barometric](#), [Duck - Water Level](#),

Hurricane SANDY QuickLook, POSTED 00:00 EDT 10/28/2012

Duck - Winds, Duck - Barometric, Chesapeake Bay Bridge Tunnel - Water Level, Chesapeake Bay Bridge Tunnel - Winds, Chesapeake Bay Bridge Tunnel - Barometric, Wachapreague - Water Level, Wachapreague - Winds, Wachapreague - Barometric, Lewisetta - Water Level, Lewisetta - Winds, Lewisetta - Barometric, Ocean City Inlet - Water Level, Ocean City Inlet - Winds, Ocean City Inlet - Barometric, Fernandina Beach - Water Level, Fernandina Beach - Winds, Fernandina Beach - Barometric,

Fort Pulaski, GA - Return to List

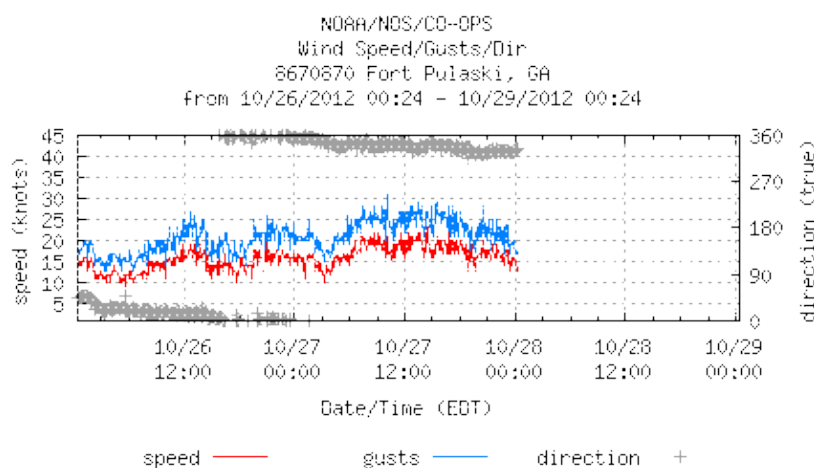


Last Observed Sample: 10/28/2012 00:12 (EDT)

Relative to MLLW: **Observed: 4.15 ft.** **Predicted: 1.25 ft.** **Residual: 2.90 ft.**

Historical Maximum Water Level: Oct 15 1947, 3.4 ft. above MHHW

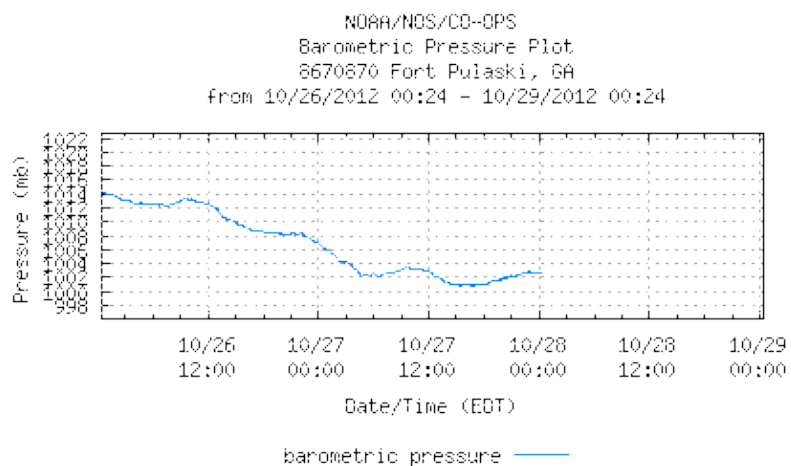
Fort Pulaski, GA - Return to List



Last Observed Sample: 10/28/2012 00:12 (EDT)

**Wind Speed: 13 knots** **Gusts: 17 knots** **Direction: 335° T**

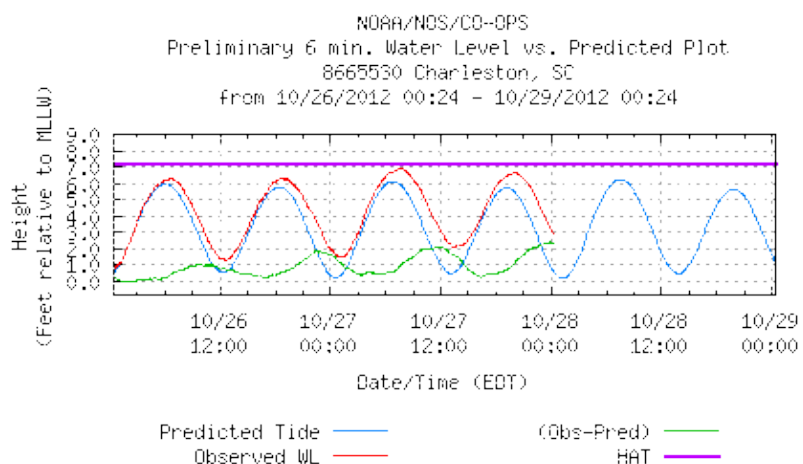
Fort Pulaski, GA - Return to List



Last Observed Sample: 10/28/2012 00:12 (EDT)

Barometric Pressure: 1002.8 mb

Charleston, SC - Return to List

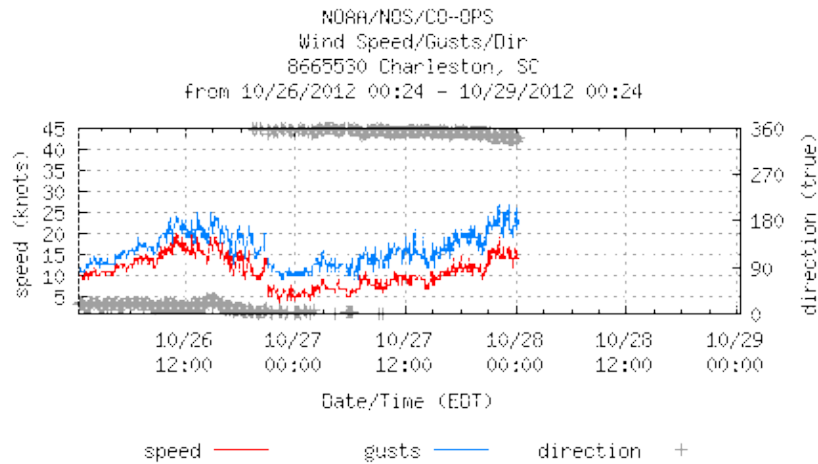


Last Observed Sample: 10/28/2012 00:12 (EDT)

Relative to MLLW: **Observed: 2.97 ft.** **Predicted: 0.65 ft.** **Residual: 2.32 ft.**

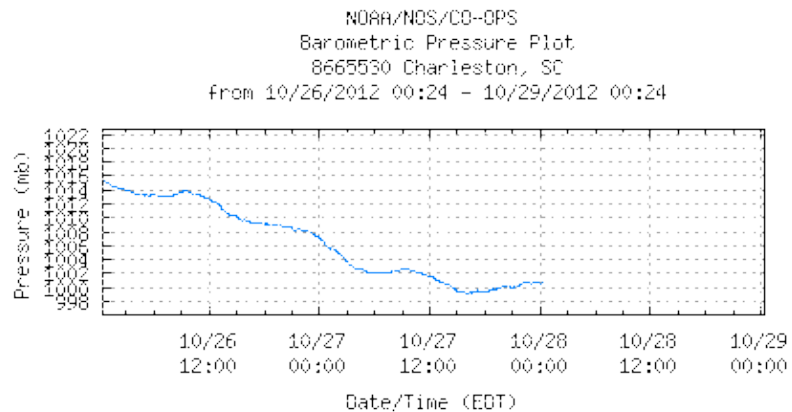
Historical Maximum Water Level: Sep 21 1989, 6.76 ft. above MHHW

[Charleston, SC - Return to List](#)



Last Observed Sample: 10/28/2012 00:12 (EDT)  
Wind Speed: 14 knots Gusts: 23 knots Direction: 340° T

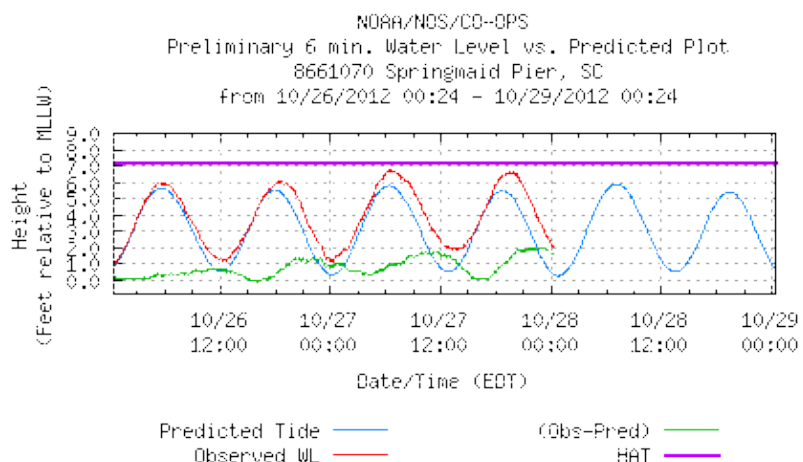
[Charleston, SC - Return to List](#)



Last Observed Sample: 10/28/2012 00:12 (EDT)  
Barometric Pressure: 1000.7 mb



Springmaid Pier, SC - Return to List

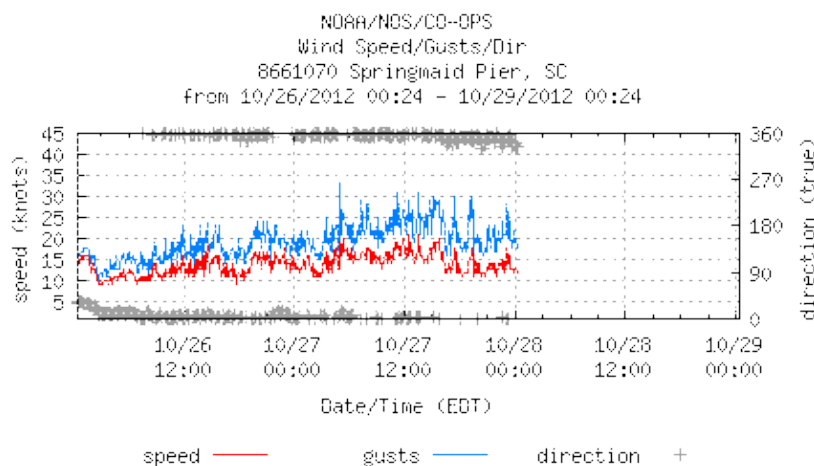


Last Observed Sample: 10/28/2012 00:12 (EDT)

Relative to MLLW: **Observed: 2.08 ft.** **Predicted: 0.40 ft.** **Residual: 1.68 ft.**

Historical Maximum Water Level: Jan 1 1987, 3.65 ft. above MHHW

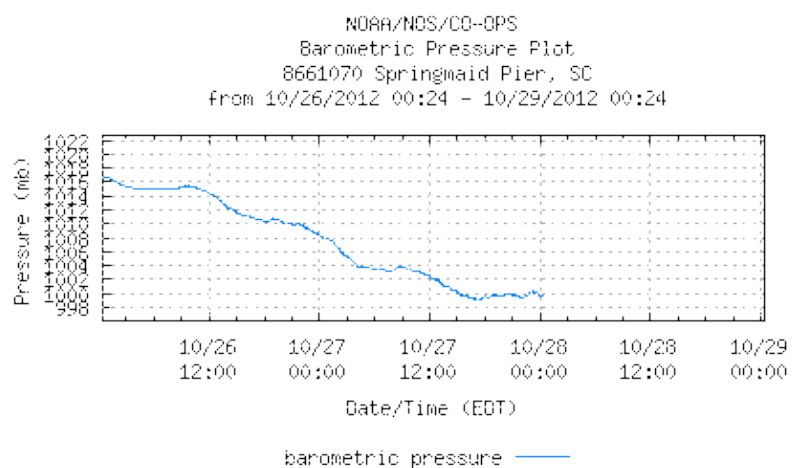
Springmaid Pier, SC - Return to List



Last Observed Sample: 10/28/2012 00:12 (EDT)

**Wind Speed: 12 knots** **Gusts: 18 knots** **Direction: 335° T**

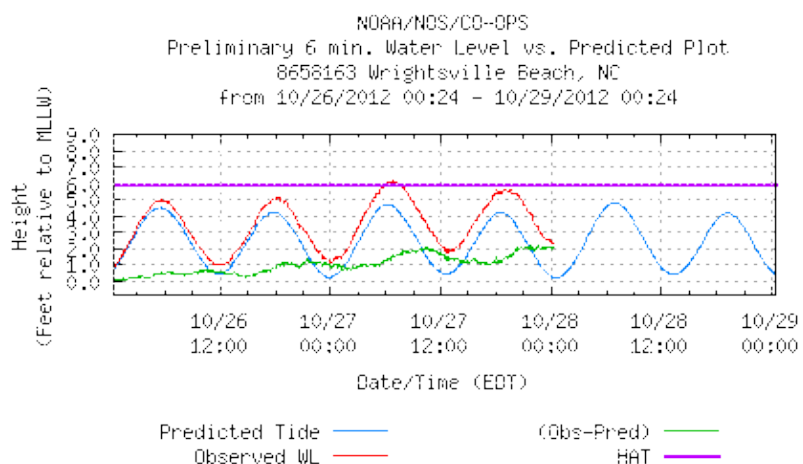
Springmaid Pier, SC - Return to List



Last Observed Sample: 10/28/2012 00:12 (EDT)

Barometric Pressure: 999.6 mb

Wrightsville Beach, NC - Return to List

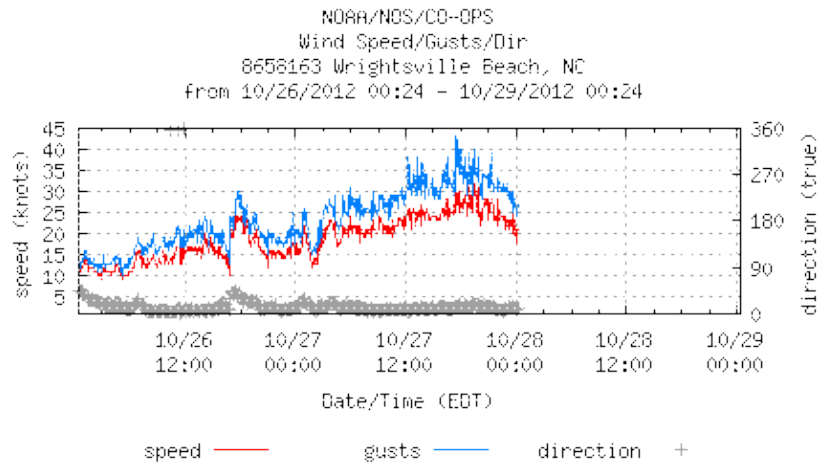


Last Observed Sample: 10/28/2012 00:12 (EDT)

Relative to MLLW: Observed: 2.33 ft. Predicted: 0.26 ft. Residual: 2.07 ft.

Historical Maximum Water Level: Sep 25 2008, 2.81 ft. above MHHW

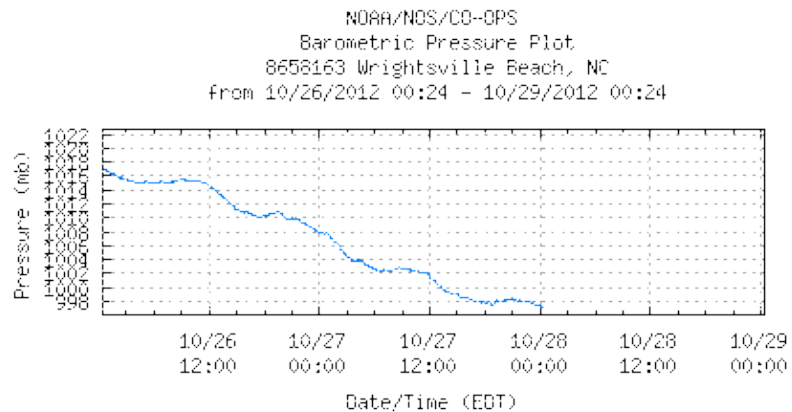
Wrightsville Beach, NC - Return to List



Last Observed Sample: 10/28/2012 00:12 (EDT)

Wind Speed: 21 knots Gusts: 27 knots Direction: 12° T

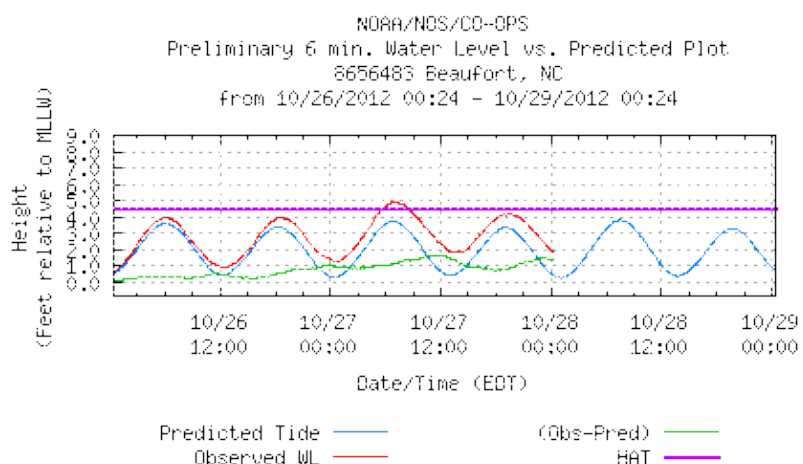
Wrightsville Beach, NC - Return to List



Last Observed Sample: 10/28/2012 00:12 (EDT)

Barometric Pressure: 997.2 mb

Beaufort, NC - Return to List

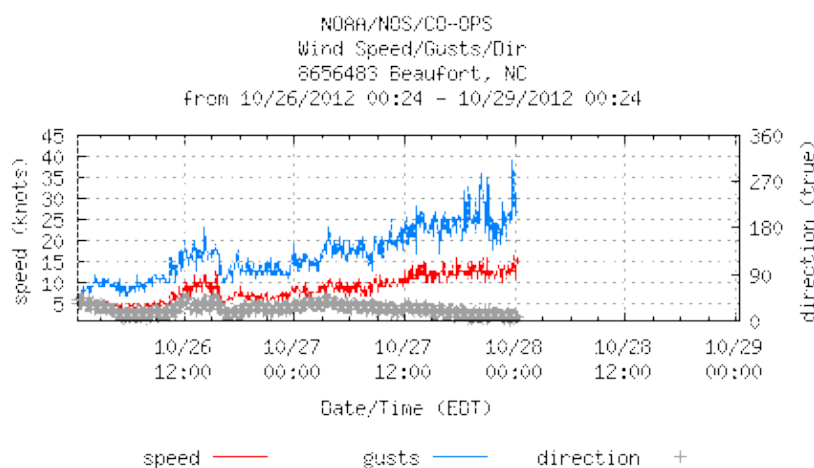


Last Observed Sample: 10/28/2012 00:12 (EDT)

Relative to MLLW: **Observed: 1.87 ft.** **Predicted: 0.45 ft.** **Residual: 1.42 ft.**

Historical Maximum Water Level: Sep 14 2005, 3 ft. above MHHW

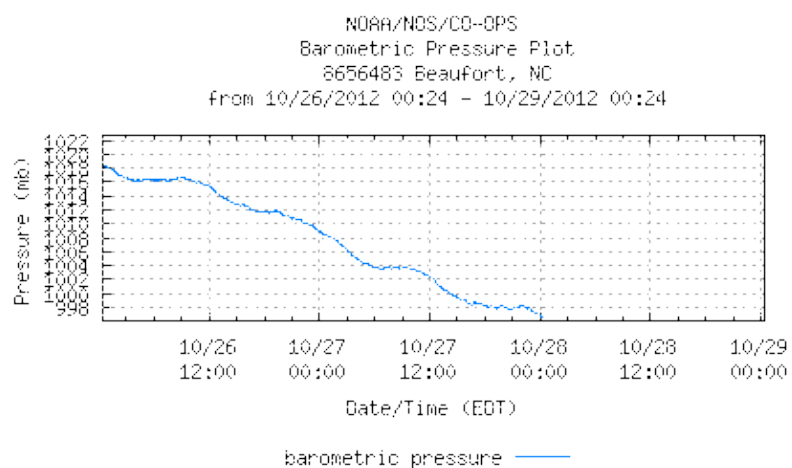
Beaufort, NC - Return to List



Last Observed Sample: 10/28/2012 00:12 (EDT)

**Wind Speed: 16 knots** **Gusts: 27 knots** **Direction: 7° T**

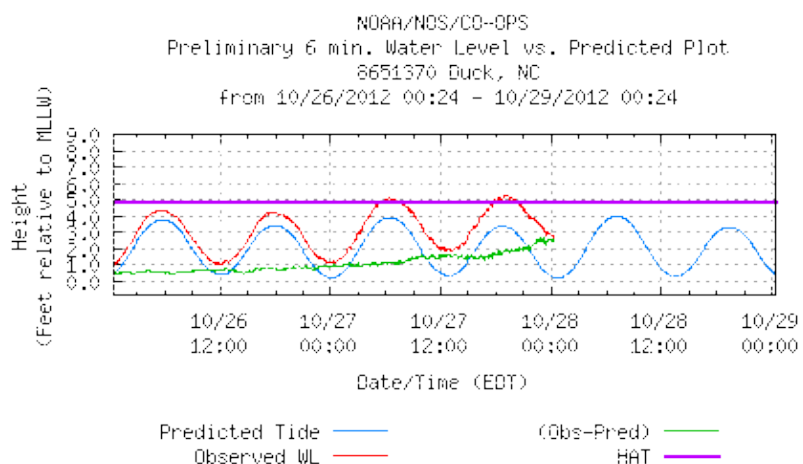
Beaufort, NC - Return to List



Last Observed Sample: 10/28/2012 00:12 (EDT)

Barometric Pressure: 996.7 mb

Duck, NC - Return to List

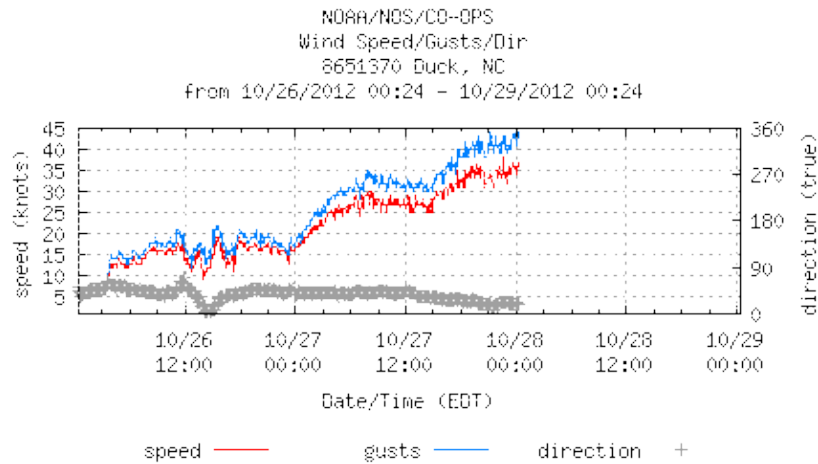


Last Observed Sample: 10/28/2012 00:18 (EDT)

Relative to MLLW: **Observed: 2.85 ft.** **Predicted: 0.27 ft.** **Residual: 2.58 ft.**

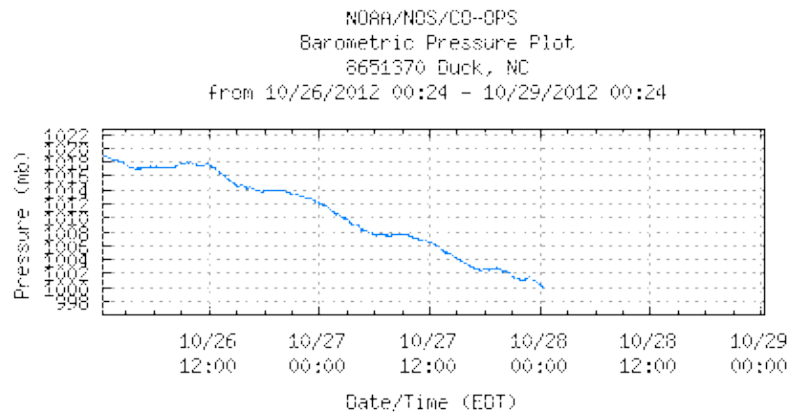
Historical Maximum Water Level: Sep 18 2003, 4.13 ft. above MHHW

Duck, NC - Return to List



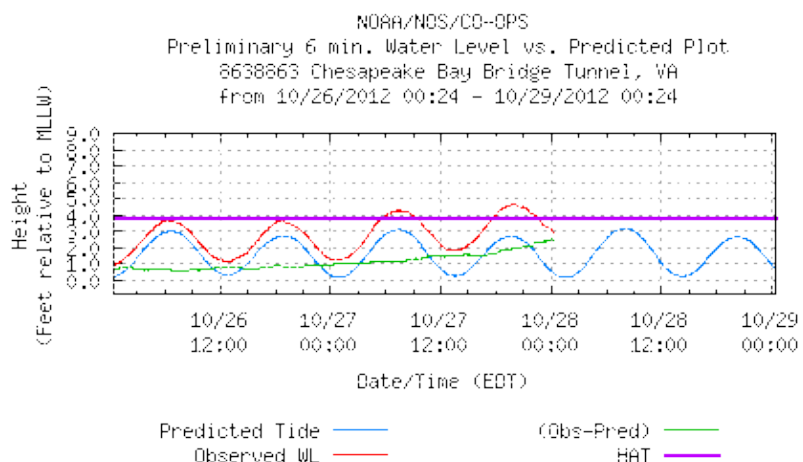
Last Observed Sample: 10/28/2012 00:18 (EDT)  
Wind Speed: 37 knots Gusts: 44 knots Direction: 20° T

Duck, NC - Return to List



Last Observed Sample: 10/28/2012 00:18 (EDT)  
Barometric Pressure: 1000.0 mb

Chesapeake Bay Bridge Tunnel, VA - Return to List

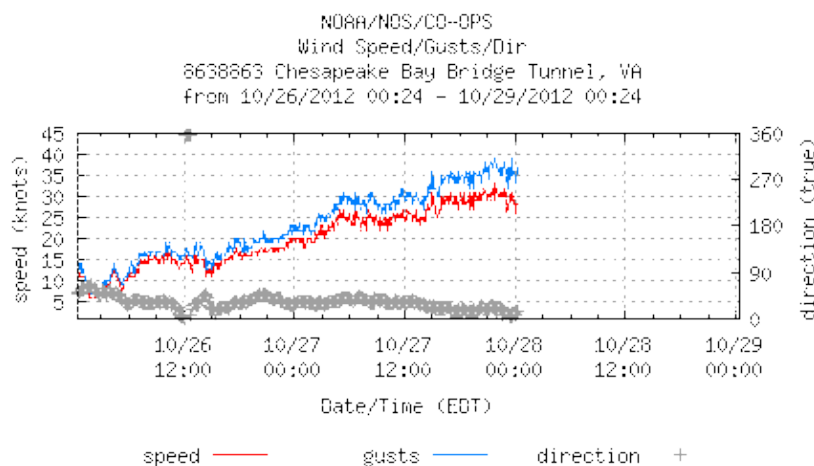


Last Observed Sample: 10/28/2012 00:12 (EDT)

Relative to MLLW: **Observed: 2.96 ft.** **Predicted: 0.48 ft.** **Residual: 2.48 ft.**

Historical Maximum Water Level: Nov 12 2009, 4.66 ft. above MHHW

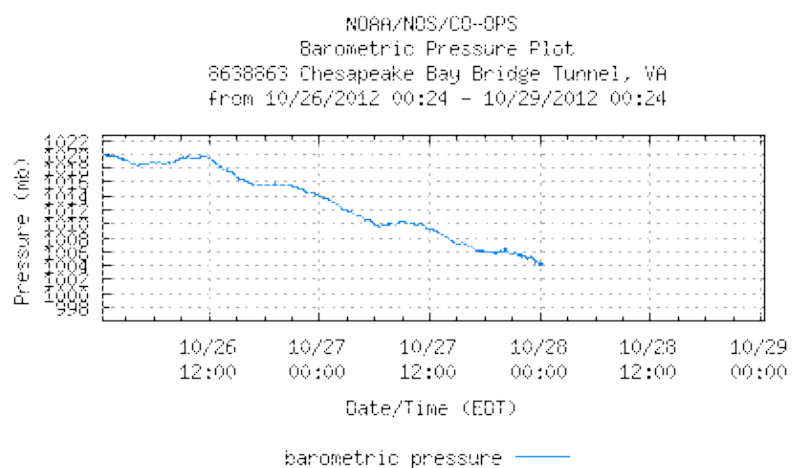
Chesapeake Bay Bridge Tunnel, VA - Return to List



Last Observed Sample: 10/28/2012 00:12 (EDT)

**Wind Speed: 28 knots** **Gusts: 37 knots** **Direction: 14° T**

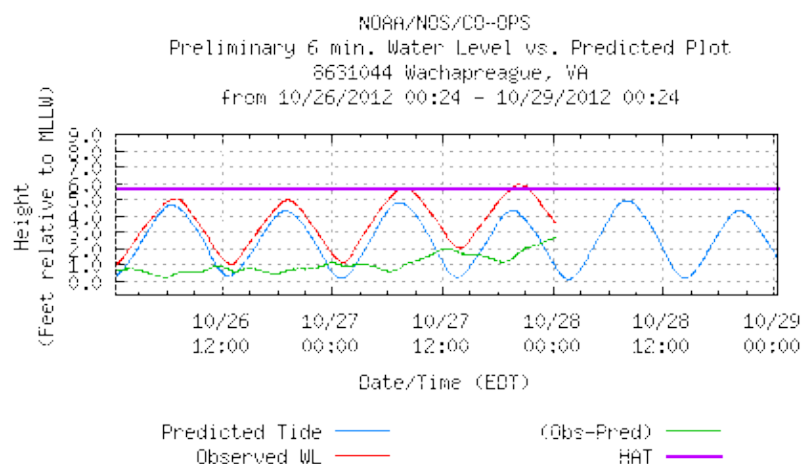
Chesapeake Bay Bridge Tunnel, VA - Return to List



Last Observed Sample: 10/28/2012 00:12 (EDT)

Barometric Pressure: 1004.4 mb

Wachapreague, VA - Return to List



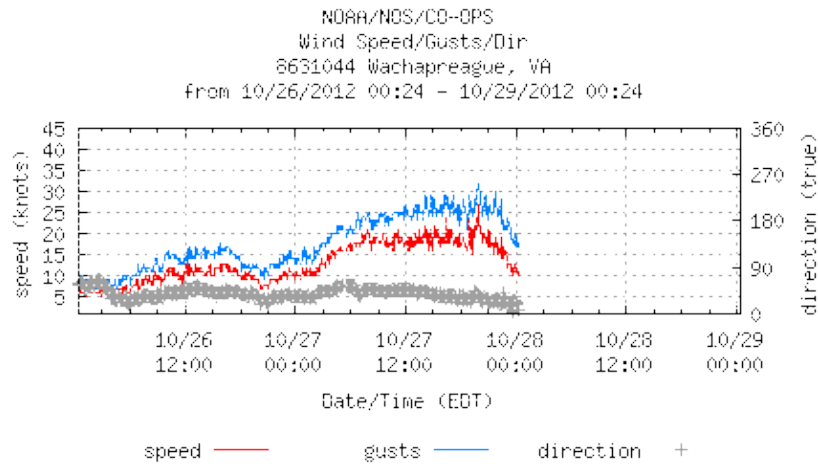
Last Observed Sample: 10/28/2012 00:12 (EDT)

Relative to MLLW: **Observed: 3.61 ft.** **Predicted: 0.92 ft.** **Residual: 2.69 ft.**

Historical Maximum Water Level: Feb 5 1998, 4.41 ft. above MHHW



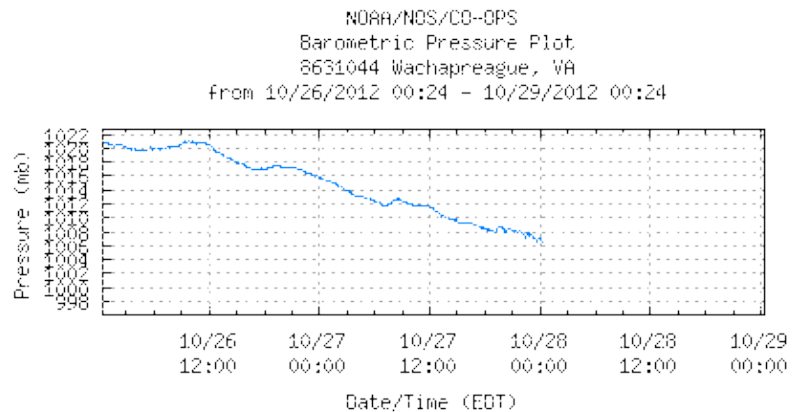
Wachapreague, VA - Return to List



Last Observed Sample: 10/28/2012 00:12 (EDT)

Wind Speed: 10 knots Gusts: 17 knots Direction: 9° T

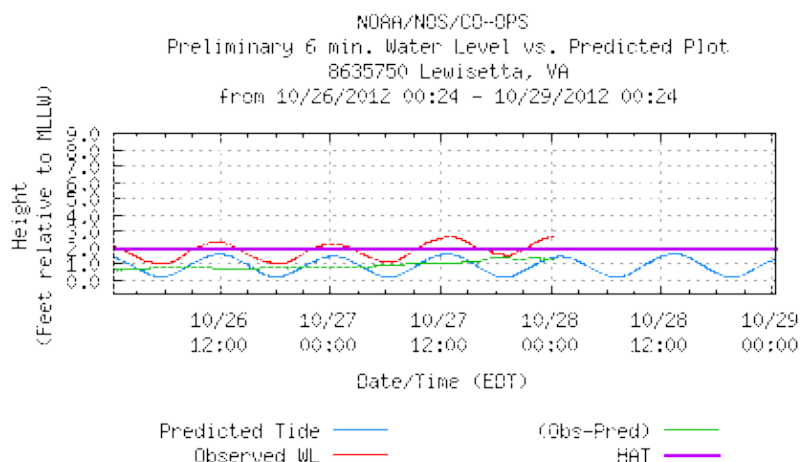
Wachapreague, VA - Return to List



Last Observed Sample: 10/28/2012 00:12 (EDT)

Barometric Pressure: 1006.6 mb

Lewisetta, VA - Return to List

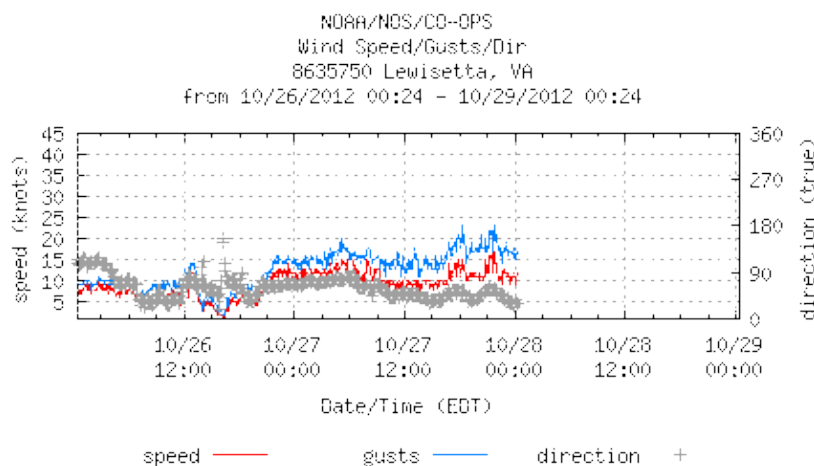


Last Observed Sample: 10/28/2012 00:12 (EDT)

Relative to MLLW: **Observed: 2.69 ft.** **Predicted: 1.41 ft.** **Residual: 1.28 ft.**

Historical Maximum Water Level: Sep 1 2006, 4.14 ft. above MHHW

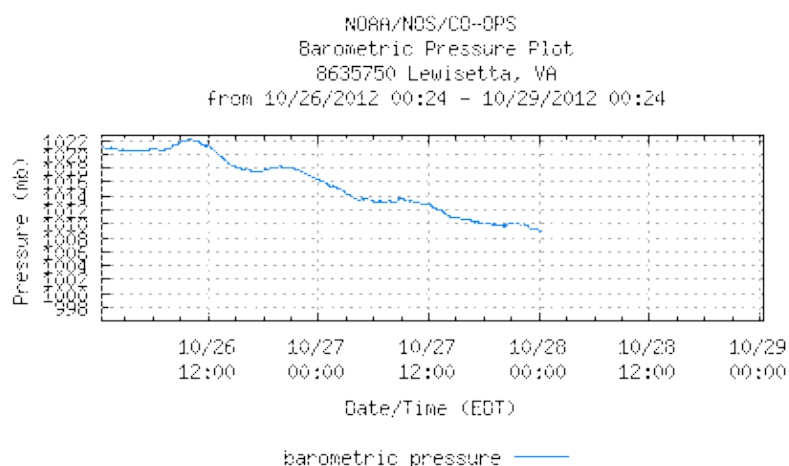
Lewisetta, VA - Return to List



Last Observed Sample: 10/28/2012 00:12 (EDT)

**Wind Speed: 12 knots** **Gusts: 17 knots** **Direction: 31° T**

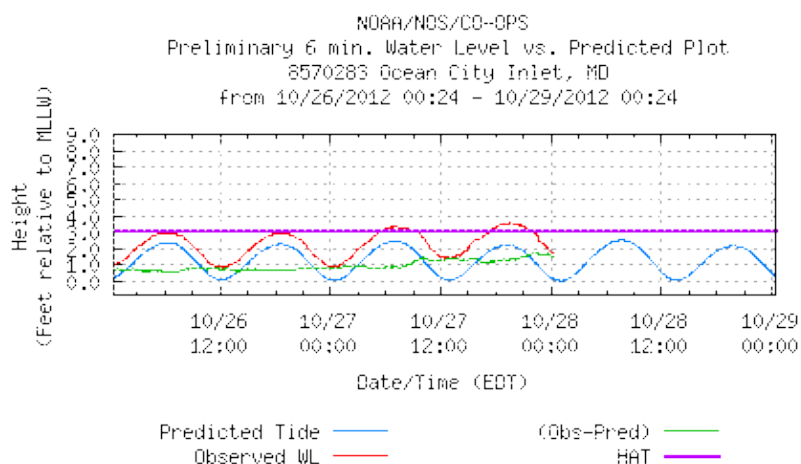
Lewisetta, VA - Return to List



Last Observed Sample: 10/28/2012 00:12 (EDT)

Barometric Pressure: 1009.1 mb

Ocean City Inlet, MD - Return to List

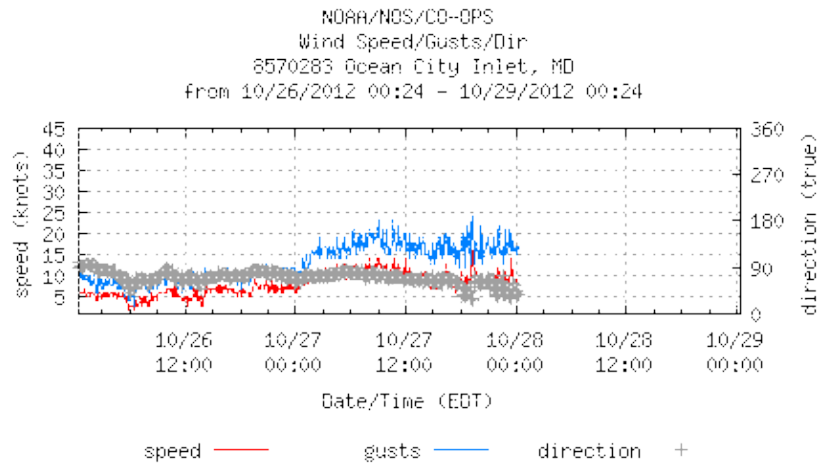


Last Observed Sample: 10/28/2012 00:12 (EDT)

Relative to MLLW: **Observed: 1.72 ft.** **Predicted: 0.17 ft.** **Residual: 1.55 ft.**

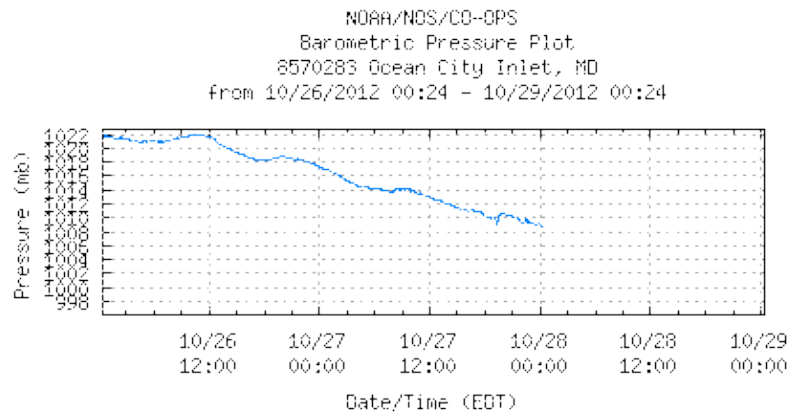
Historical Maximum Water Level: Feb 5 1998, 3.61 ft. above MHHW

[Ocean City Inlet, MD - Return to List](#)



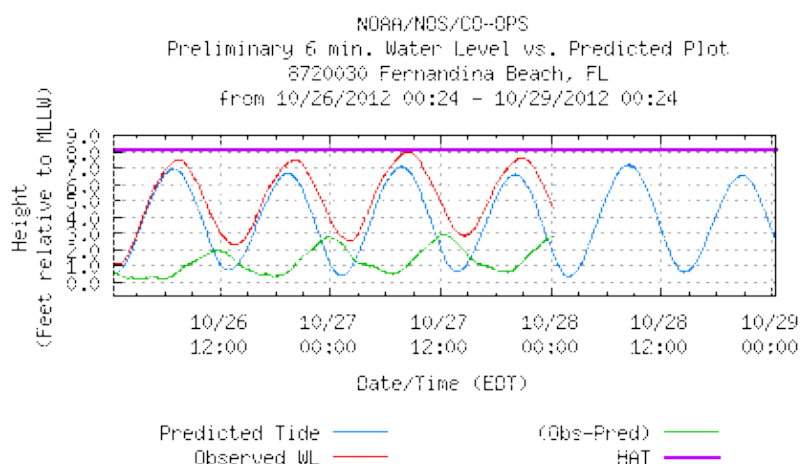
Last Observed Sample: 10/28/2012 00:12 (EDT)  
Wind Speed: 8 knots Gusts: 17 knots Direction: 37° T

[Ocean City Inlet, MD - Return to List](#)



Last Observed Sample: 10/28/2012 00:12 (EDT)  
Barometric Pressure: 1008.8 mb

Fernandina Beach, FL - Return to List

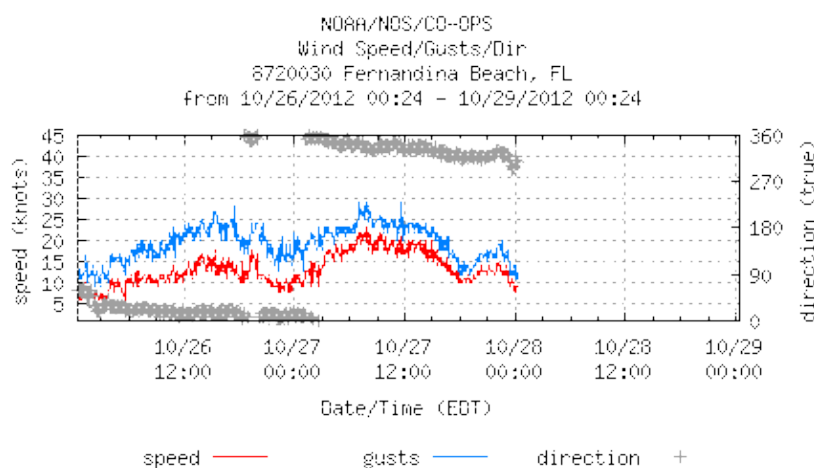


Last Observed Sample: 10/28/2012 00:12 (EDT)

Relative to MLLW: **Observed: 4.59 ft.** **Predicted: 1.76 ft.** **Residual: 2.83 ft.**

Historical Maximum Water Level: Oct 2 1898, 6.94 ft. above MHHW

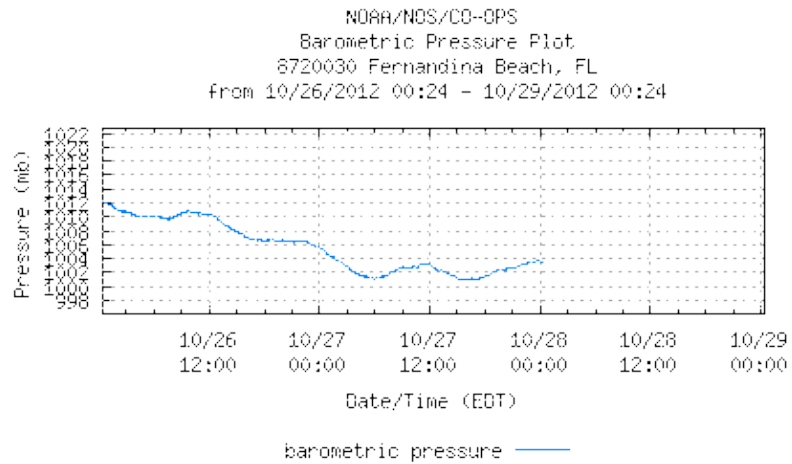
Fernandina Beach, FL - Return to List



Last Observed Sample: 10/28/2012 00:12 (EDT)

**Wind Speed: 9 knots** **Gusts: 11 knots** **Direction: 309° T**

[Fernandina Beach, FL](#) - [Return to List](#)



Last Observed Sample: 10/28/2012 00:12 (EDT)

**Barometric Pressure: 1003.5 mb**

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce